ABSTRACT

The invention relates to a method and apparatus for transmitting data packets over a
channel wherein the data packets have compressed headers. After compressing a
header using a context, a number of consecutive update packets are transmitted,
each containing data indicating said context. According to the invention, the channel
quality is determined and the number of update packets is set accordingly. The
channel quality may be determined by measuring the block error rate or the signal-to-
noise ratio. Alternatively, the channel quality may be estimated by evaluating
whether a NACK message has been received. The total number of update and non-
update packets transmitted during a context update phase may be set according to
the Round Trip Time. The number of non-update packets may further be determined
based on codec properties. The invention may advantageously be used over
unreliable, e.g. wireless, channels.